

RECEIVED
CENTRAL FAX CENTER

SEP 13 2007

Please amend the present application as follows:

Claims

The following is a copy of Applicant's claims that identifies language being added with underlining ("____") and language being deleted with strikethrough ("~~_____~~") or brackets ("[[]]"), as is applicable:

1. (Currently amended) A processor-readable medium comprising processor-executable instructions configured for:

~~receiving a printer identification from a mobile computing device, print instructions and an email having an attachment, the print instructions including a printer identification and document finishing options indicating how the attachment should be printed;~~

~~generating a content type that identifies output that is compatible with a printer identified by the printer identification; and~~

~~returning the content type~~

~~transferring the attachment, the finishing options, and the content type to a translator engine;~~

~~translating the attachment into print-ready data using the finishing options and a printer driver identified through information included within the content type; and~~

~~forwarding the print-ready data to the printer identified by the printer identification.~~

S/N: 10/623,023
Case: 200208758-1
Amendment A

2. (Currently amended) A processor-readable medium as recited in claim 1, further comprising processor-executable instructions configured for:

determining ~~[[a]]~~ the printer driver that corresponds with the printer identification;

and

including in the content type, the information identifying the printer driver.

3. (Original) A processor-readable medium as recited in claim 2, further comprising processor-executable instructions configured for:

determining if the printer driver has been installed; and

automatically installing the printer driver if the printer driver has not already been installed.

4. (Original) A processor-readable medium as recited in claim 2, wherein the determining comprises:

accessing a lookup table; and

comparing the printer identification with printer driver entries in the lookup table.

5. (Currently amended) A processor-readable medium as recited in claim 2, ~~further comprising processor-executable instructions configured for~~ wherein the translating the attachment into print-ready data further comprises:

sending from the translator engine to a driver management service, a request to map the printer driver to a printer icon name in a printer folder;

S/N: 10/623,023
Case: 200208758-1
Amendment A

in response to the request, receiving at the translator engine, a printer icon name;

and

implementing a print command at the translator engine using the printer icon

name

~~receiving a request to map a printer icon name to the content type;~~

~~mapping a printer icon name based on the content type; and~~

~~returning the printer icon name.~~

6. (Canceled)

7. (Original) A processor-readable medium as recited in claim 1, wherein the content type is a structured XML (Extensible Markup Language) document.

8. (Currently amended) A processor-readable medium as recited in claim 1, wherein the ~~content type comprises~~ information is selected from a the group comprising:

information identifying ~~[[a]]~~ the printer driver;

information identifying capabilities of ~~[[a]]~~ the printer driver;

information describing output that is compatible with the printer;

information describing a compatible printer page description language; and

information identifying a compatible printer.

S/N: 10/623,023
Case: 200208758-1
Amendment A

9. (Currently amended) A processor-readable medium as recited in claim 1, wherein the receiving ~~a printer identification~~ includes receiving a request to map the printer identification to a content type.

10. (Currently amended) A processor-readable medium as recited in claim 1, wherein the printer identification is selected from ~~a~~ the group comprising:

a text string specifying a printer model;

a text string specifying the printer driver; and

a UNC (Universal Naming Convention) path identifying a location of the printer driver.

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Currently amended) A processor-readable medium comprising processor-executable instructions configured for:

receiving from a mobile computing device, print instructions and an email having an attachment, the print instructions including a printer identification and document finishing options indicating how the attachment should be printed;

generating a content type that identifies output that is compatible with a printer identified by the printer identification;

S/N: 10/623,023
Case: 200208758-1
Amendment A

receiving a request to map a printer icon name to ~~[[a]]~~ the content type;
mapping a printer icon name to the content type;
determining if a printer driver associated with the printer icon name is available;
and
returning the printer icon name if the printer driver is available.

15. (Original) A processor-readable medium as recited in claim 14, further comprising processor-executable instructions configured for returning an error message if the printer driver is not available.

16. (Currently amended) A processor-readable medium as recited in claim 15, wherein the error message is selected from ~~a~~ the group comprising:
a message indicating that the printer driver is unavailable; and
a message indicating that the printer driver is temporarily unavailable and that the request should be attempted later.

17. (Original) A processor-readable medium as recited in claim 14, wherein the determining comprises:
comparing a threshold number of print requests to a current number of print requests;
determining that the printer driver is available if the current number is less than the threshold number; and

S/N: 10/623,023
Case: 200208758-1
Amendment A

determining that the printer driver is not available if the threshold number does not exceed the current number.

18. (Original) A processor-readable medium as recited in claim 17, wherein the comparing comprises:

accessing the threshold number from a look-up table; and

determining the current number according to active print requests being processed by the printer driver.

19. (Original) A processor-readable medium as recited in claim 14, further comprising processor-executable instructions configured for:

determining if the printer driver has been installed; and

automatically installing the printer driver if the printer driver has not already been installed.

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Currently amended) A method comprising:

receiving from a mobile computing device, print instructions and an email having an attachment, the print instructions including a printer identification and document

S/N: 10/623,023
Case: 200208758-1
Amendment A

finishing options indicating how the attachment should be printed;

generating a content type that identifies output that is compatible with a printer identified by the printer identification;

receiving a request to map a printer icon name to a content type;

mapping a printer icon name to the content type;

associating a printer driver with the printer icon name;

comparing a threshold number of print requests for the printer driver to a current number of print requests being executed by the printer driver;

determining that the printer driver is available if the current number is less than the threshold number;

determining that the printer driver is not available if the threshold number does not exceed the current number; and

returning the printer icon name if the printer driver is available.

24. (Currently amended) A method as recited in claim 23, further comprising returning an error message if the printer driver is not available, the error message selected from a the group comprising:

a message indicating that the printer driver is unavailable; and

a message indicating that the printer driver is temporarily unavailable and that the request should be attempted later.

25. (Canceled)

S/N: 10/623,023
Case: 200208758-1
Amendment A

26. (Canceled)

27. (Currently amended) A server comprising:

a mobile enterprise (MEP) server to receive from a mobile computing device, print instructions and an email having an attached document, the print instructions including a printer identification and document finishing options indicating how the document should be printed, the MEP server further to separate the document from the email;

a content transformation harness configured to receive ~~[[a]]~~ the document and ~~[[a]]~~ the printer identification from the MEP server;

a driver management service configured to determine a printer driver corresponding with the printer identification and to install the printer driver if the printer driver is not already installed; and

a translator engine configured to transform the document into print-ready data using the printer driver, and wherein the MEP server receives the print-ready data and forwards the print-ready data to an appropriate printer identified by the printer identification.

28. (Original) A server as recited in claim 27, further comprising:

a content type, generated by the driver management service and containing information indicating the printer driver and capabilities of the printer driver.

S/N: 10/623,023
Case: 200208758-1
Amendment A

29. (Original) A server as recited in claim 27, further comprising:

a driver look-up table containing printer driver entries and associated printer identifications, the driver look-up table used by the driver management service to determine a printer driver.

30. (Original) A server as recited in claim 27, further comprising:

uninstalled driver files used by the driver management service to install the printer driver if the printer driver is not already installed.

31. (Canceled)

32. (Canceled)

33. (Canceled)

34. (Currently amended) A server comprising:

means for receiving from a mobile computing device, print instructions and an email having an attachment, the print instructions including a printer identification and document finishing options indicating how the attachment should be printed;

means for separating the attachment from the email;

means for generating a content type that identifies output that is compatible with a printer identified by the printer identification;

means for transferring the attachment, the finishing options, and the content type to a translator engine;

S/N: 10/623,023
Case: 200208758-1
Amendment A

means for translating the attachment into print-ready data using the finishing options and a printer driver identified through information included within the content type; and

means for forwarding the print-ready data to the printer identified by the printer identification

~~means for receiving a request to map a printer icon name to a content type;~~

~~means for mapping a printer icon name to the content type;~~

~~means for determining if a printer driver associated with the printer icon name is available; and~~

~~means for returning the printer icon name if the printer driver is available.~~

35. (Currently amended) A server as recited in claim 34, further comprising wherein the means for determining comprises:

means for receiving a request to map a printer icon name to a content type;

means for mapping a printer icon name to the content type;

means for determining if a printer driver associated with the printer icon name is available; and

means for returning the printer icon name if the printer driver is available

~~means for comparing a threshold number of print requests for the printer driver to a current number of print requests being processed by the printer driver;~~

~~means for determining that the printer driver is available if the current number is less than the threshold number; and~~

S/N: 10/623,023
Case: 200208758-1
Amendment A

~~means for determining that the printer driver is not available if the threshold number does not exceed the current number.~~

36. (Currently amended) A server as recited in claim 35, wherein the means for determining comprises:

means for comparing a threshold number of print requests for the printer driver to a current number of print requests being processed by the printer driver;

means for determining that the printer driver is available if the current number is less than the threshold number; and

means for determining that the printer driver is not available if the threshold number does not exceed the current number

~~A server comprising:~~

~~means for receiving a request to map a printer icon name to a content type;~~

~~means for determining that a printer driver associated with a mapped printer icon name is deficient;~~

~~means for locating an alternate printer driver;~~

~~means for mapping an alternate printer icon name associated with the alternate printer driver; and~~

~~means for returning the alternate printer icon name.~~

S/N: 10/623,023
Case: 200208758-1
Amendment A